

REMARKS/ARGUMENTS

By the foregoing amendment Claims 1-20 and 48-67 have been cancelled without prejudice to the patentability thereof. Claims 21-47, as amended, remain pending in the present application.

In the Office Action all of the pending Claims 21-47 were rejected under 35 U.S.C. §102(e) as being anticipated by, or, in the alternative, under 35 U.S.C. §103(a) as obvious over, either U.S. Patent No. 6,360,172 to Burfeind, et al., U.S. Patent No. 6,404,880 to Stevens, or U.S. Patent No. 6,480,830 to Ford, et al. It is respectfully requested that this rejection of the claims be reconsidered, and that all of the Claims 21-47 remaining pending in the above-referenced patent application be allowed in view of the foregoing amendment of the claims and for the following reasons.

Independent Claim 21 of the present application is drawn to a method of generating a personalized weather report, comprising the steps of (a) establishing a user profile including a location of interest, (b) running a weather forecast model to generate weather forecast model data for an area including the area of interest, (c) constraining selected weather conditions in the weather forecast model data to within selected constraint limits to provide constrained weather forecast model data, and (d) generating a weather report of forecast weather conditions at the location of interest automatically from the user profile and the constrained weather forecast model data. By the foregoing amendment, Claim 21 has been amended to clarify that constraining selected modeled weather conditions used to generate a personalized weather report includes manually providing constraints, e.g., by a meteorologist entering such constraints into a computer system via a keyboard or other input device. (This amendment is fully supported by the application specification as originally filed. See, e.g., page 14, line 29 through page 15, line 20 thereof.) Thus, Claim 21, as amended, is drawn to a method of generating a personalized weather report wherein a weather report of forecast weather conditions at a location of interest is generated automatically from user profile information and manually constrained weather forecast model data. For example, a meteorologist may employ such manually entered constraints to ensure that no personalized weather report generated from the weather forecast model weather data includes predicted weather

conditions (e.g., temperatures or precipitation) exceeding weather condition levels determined by the meteorologist based on experience and/or information which is not available to the weather forecasting model employed. This may provide for a more accurate personalized weather forecast in some cases.

It is respectfully submitted that none of the cited references describe or suggest generating a personalized weather report of forecast weather conditions at a location of interest automatically from both user profile information and a combination of weather forecast model data and manual constraints, as featured in Claim 21, as amended. None of the cited references describe or suggest specifically generating a personalized forecast of weather conditions at a location of interest. Rather, all of the references describe or suggest employing user provided information to search for, select, or filter pre-generated weather forecast reports to provide selected ones or portions of such reports to users. Since the cited references do not describe or suggest any specific methods for generating a weather report of forecast weather conditions from both user profile information and forecast weather condition data, it is respectfully submitted it is clear that none of the cited references describe or suggest generating such a weather report from user profile information and manually constrained weather forecast model data, as featured in Claim 21. Since none of the cited references describe or suggest manually constraining selected weather conditions in weather forecast model data to within selected constraint limits and then using such constrained weather forecast model data in combination with user profile information to generate automatically a weather report of forecast weather conditions at a location of interest, as featured in Claim 21, as amended, it is respectfully submitted that Claim 21 of the present application, as amended, is not anticipated by, or unpatentably obvious over, any of the cited references, considered separately, or in combination, and is, therefore, in condition for allowance.

Dependent Claims 22-26 depend, either directly or indirectly, from independent Claim 21, as amended, and incorporate the features thereof. Therefore, it is respectfully submitted that dependent Claims 22-26 also are not anticipated by, or unpatentably obvious over, the cited references, for the reasons just discussed, and are, therefore, also in condition for allowance.

Independent Claim 27 is drawn to a personalized weather report generating system. Independent Claim 27 features means for performing the functions recited as elements of corresponding method Claim 21, and has been amended in a manner similar to Claim 21. Thus, Claim 27, as amended, features constrainer means for manually entering constraints to constrain selected weather conditions in weather forecast model data to within selected constraint limits and a weather report generator means for generating a weather report of forecast weather conditions at a location of interest automatically from the user profile and manually constrained weather forecast model data. As discussed above, with reference to Claim 21, it is respectfully submitted that none of the cited references describe or suggest any method or means for generating a weather report of forecast weather conditions at a location of interest from user profile information and weather forecast model data in general or, more specifically, for generating such a weather report from manually constrained weather forecast model data, as featured in independent Claim 27, as amended. Therefore, it is respectfully submitted that Claim 27, as amended, is not anticipated by, or unpatentably obvious over, the cited references, and is, therefore, in condition for allowance.

Dependent Claims 28-34 depend, either directly or indirectly, from independent Claim 27, as amended, and incorporate the features thereof. Therefore, it is respectfully submitted that dependent Claims 28-34 also are not anticipated by, or unpatentably obvious over, the cited references, for the reasons discussed above, and are, therefore, also in condition for allowance.

Independent Claim 35 of the present application is drawn to a method of generating a personalized weather report, featuring (a) establishing a plurality of user profiles wherein each user profile includes a location of interest located within a first geographic area or within a second geographic area, (b) running a weather forecast model to generate weather forecast model data of a higher resolution for the first geographic area and to generate weather forecast model data of a lower resolution for the second geographic area, and (c) generating a weather report of forecast weather conditions for each user profile location of interest automatically from the user profile and the weather forecast model data of a higher resolution for locations of interest located within the first geographic area and from the user profile and the weather forecast

model data of the lower resolution for locations of interest located within the second geographic area. Claim 35 specifies that the second geographic area is different from the first geographic area. Thus, Claim 35 features a method of generating personalized weather reports wherein the weather reports are generated from user profile information (a location of interest) and weather forecast model data of either higher or lower resolution, depending upon where the location of interest is located. As described in the application specification, e.g., at page 13, line 20 through page 14, line 12, the method of generating a personalized weather report as featured in Claim 35 allows personalized weather reports to be provided from a single local computer system for locations over a wide geographic area of interest, with most users, whose locations of interest lie in a more limited geographic area, being provided personalized weather reports for such locations based on high geographic and temporal resolution data. Using the method featured in Claim 35, this result can be obtained using conventional computer systems of reasonable cost and reasonable computation times.

It is respectfully submitted that none of the cited references describe or suggest generating a weather report of forecast weather conditions at user locations of interest from user profile information and weather forecast model data of either a higher resolution or a lower resolution depending upon the location of interest, as featured in Claim 35. It is respectfully submitted that none of the cited references describe in any detail how a weather report of forecast weather conditions at a user profile location of interest may be generated. Rather, the cited references describe and suggest the use of user profile information to select, filter, or search for pre-generated weather reports to find an appropriate report, or portion of report, to provide to the user. Since none of the cited references describe how a truly personalized weather report may be generated, rather than merely selected or filtered, from user profile information and weather forecast model data, it is respectfully submitted that none of the cited references describe or suggest generating such a weather forecast report from user profile information and either high resolution or low resolution forecast model data, depending upon the user location of interest. Such a feature is nowhere described or suggested in any of the cited references.

Since none of the cited references describe or suggest generating a weather report of forecast weather conditions at user profile locations of interest from user profile information and either forecast model data of a higher resolution or forecast model data of a lower resolution, depending upon the location of interest, as featured in independent Claim 35, it is respectfully submitted that independent Claim 35 is not anticipated by, or unpatentably obvious over, any of the cited references and is, therefore, in condition for allowance.

Dependent Claims 36-40 depend, either directly or indirectly, from independent Claim 35. Therefore, it is respectfully submitted that dependent Claims 36-40 also are not anticipated by, or unpatentably obvious over, the cited references, for the reasons discussed above, and are, therefore, also in condition for allowance.

Independent Claim 41 is drawn to a personalized weather report generating system. Independent Claim 41 features means for performing the functions featured in independent method Claim 35. Claim 41 features a weather report generator means for generating a weather report of forecast weather conditions at each of a plurality of user profile locations of interest automatically from user profile information and weather forecast model data of either of a higher or lower resolution, depending upon the location of the location of interest. As discussed above, with reference to independent Claim 35, it is respectfully submitted that none of the cited references describe or suggest a method or system for generating personalized weather reports using user profile information and either lower resolution or higher resolution weather forecast model data, as featured in Claim 41. Therefore, it is respectfully submitted that Claim 41 is not anticipated by, or unpatentably obvious over, the cited references, considered separately or in combination, and is, therefore, in condition for allowance.

Dependent Claims 42-47 depend, either directly or indirectly, from independent Claim 41, and incorporate the features thereof. Therefore, it is respectfully submitted that dependent Claims 42-47 also are not anticipated by, or unpatentably obvious over, the cited references and are, therefore, also in condition for allowance.

For the foregoing reasons, it is respectfully submitted that all of the Claims 21-47 remaining pending in the present application, as amended, are not anticipated by, or unpatentably obvious over, the cited references, considered separately or in combination,

and are, therefore, in condition for allowance. Favorable action on this patent application is, therefore, respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Peter J. Manghera". The signature is written in a cursive style with a large, stylized "P" and "M".

Peter J. Manghera

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